This Track 1 Decision Document is marked "Draft" but is a final document signed by the agencies.

_____ date <u>5/27/2002</u>

DECISION DOCUMENTATION PACKAGE COVER SHEET

Prepared in accordance with

TRACK 1 SITES: GUIDANCE FOR ASSESSING LOW PROBABILITY HAZARD SITES AT THE INEEL

Site Description:

Debris Next to Canal Inside Boundary of the Naval Reactor Facility

Site ID:

013

Operable Unit:

10-08

Waste Area Group:

10

I. Summary -- Physical Description of the Site:

Site 013 is a domestic debris pile located 200 ft. from the railroad tracks between the Naval Reactor Facility (NRF) fenceline and the NRF boundary line. The site covers an approximate 32,000 square ft area. This site was originally listed as part of an environmental baseline assessment in 1994 and identified as a potential new waste site in 1995. In accordance with Management Control Procedure-3448, Reporting or Disturbance of Suspected Inactive Waste Sites, a new site identification form was completed for this site. As part of the process, a field team wrote a site description and collected photographs and global positioning system (GPS) coordinates of the site (the GPS coordinates are E299511.814 by N723770.141). The GPS coordinate system is listed as North American Datum 27, Idaho East Zone, State Plane Coordinates. The new site identification process also included a search and review of existing historical documentation.

Site investigations revealed that Site 013 is a historic (circa 1900-1920) homestead/canal builder's base camp, considered by the Idaho State Historic Preservation Office (SHPO) to be a significant historical/archeological resource. The site consists of four concentrations of historic debris. A collapsed structure is present with a few uprights remaining. Milled lumber with dovetailed ends, plywood, wire nails and bailing wire surround the structure, extending 160 ft out from the uprights. A basalt cobble kiln (3 ft high by 5 ft diameter) is located approximately 50 ft to the northwest of the structure. Concentrations of glass, metal, ceramics and other domestic artifacts are present south of the structure. Artifacts include an ink bottle, fragments of prescription and liquor bottles; colored glass fragments; a ceramic jug, shell buttons, metal clothing rivets, shoe soles, galvanized sheet metal, stove pipes, a crimped metal bottle cap, numerous empty tin cans, including tobacco and lead soldered cans, and a cast iron toy train engine. Eleven empty black powder cans were found just northwest of the site. Black powder charges were set to blast the lava rock out when the canals were built. There was no visual residual evidence of black powder in the cans or on the ground surface.

There is no visual evidence of hazardous constituents, nor evidence that waste has recently been disposed of at this site. There is no evidence of disturbed vegetation, or stained or discolored soil. The ground surface shows well-established native grasses and sagebrush. The description of the site conditions is based on recent site investigations and INEEL Cultural Resource research; no field screening or sample data exist for this site.

DECISI	ON S	TAT	EME	NT
(DOE	RPM	l)	

Date Received: 3/18/62

Disposition:

All materials found at site 013 indicate it is
the remains of a camp used during construction
of the Big Lost River canal system. No industrial
Chemical contamination was found. Blasting
material debris did not indicate a cache of
explosives This site requires no faither
remediat action.

Date:	4/02/02	# Pages:	/	
Name:	Kathleen Hain	Signature:	Zathleen	2 Hain

Name:

	STATEMENT RPM)	
Date Received: 9/4/01		10-08-013
The photographic of historic domestic of historic domestic of track I package is the interview with the a only the conclusion. Anyway, the waste of waste of when remedial pecessary for this	chaeologist written by site does n waste a rations. The surestigate site	another person. not look like speciated with
Date: 9/20 0 \	# Pages:	

Signature:

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			Col 9 Overall Reliability (high/med/ Iow)	- LB
				High
	NRF		Col 8 Qualitative Risk Assessment (high/med/	Low
	Debris Next to Canal Inside of Boundary of NRF	J.S	sed itration	
	nside of B	ding Debr	Col 7 Risk-based Concentration	₹ 2
	to Canal In	Homestead/Canal Building Debris	mated on of // s	
	ebris Next	omestead/	Col 6 Known/Estimated Concentration of Hazardous Substances/ Constituents	Unknown
				ב <u>ֿ</u>
	PROCESS:	WASTE:	Col 5 Potential Sources Associated with this Hazardous Material	
			Col 5 Potential Sourc Associated with this Hazardous Material	Soil
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RKSHEE			ial Hazard ents are Waste o	
ANT WO	013		n/Potenti Constitu with this	
CONTAMINANT WORKSHEET	SITE ID:		Col 4 What Known/Potential Hazardous Substance/Constituents are Associated with this Waste or Process?	None None
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Question 1.	What are the waste generation processes, locations, and dates of operation associated with this site?			
Block 1	Answer:			
camp. Debris i bottle, fragmer buttons, metal bottle cap, wire empty, rusted building the ca ground surface between the N	Site 013 was recorded by INEEL Cultural Resources as a historic homestead/canal builder's base camp. Debris includes a collapsed structure, milled lumber, plywood, wire nails, bailing wire, an ink bottle, fragments of prescription and liquor bottles, various colored glass fragments, a ceramic jug, buttons, metal clothing rivets, shoe soles, galvanized sheet metal, stove pipes, a crimped metal bottle cap, wire nails, numerous empty rusted tin cans, and a cast iron toy train engine. Eleven empty, rusted black powder cans found just northwest of the site were used to blast lava rock when building the canals. There is no visual evidence of residual black powder in the cans or on the ground surface. The debris covers ~32,000 square ft and is located ~200 ft. from the railroad tracks between the NRF fenceline and boundary line. It is estimated that this waste was abandoned in place circa 1900-1920.			
Block 2	How reliable are the information sources? ⊠ High ☐ Med ☐ Low Explain the reasoning behind this evaluation. (check one)			
and Health (Efficiently homes	INEEL Cultural Resources and Environmental Restoration Environmental Safety R ES&H) personnel revealed that domestic debris was abandoned by early twentieth steaders/canal builders. The artifacts found at the sites are domestic in nature, activities, and pose no potential hazard.			
Block 3	Has this INFORMATION been confirmed? ☑ Yes ☐ No If so, describe the confirmation. (check one)			
This has been confirmed with interviews conducted by ER ES&H personnel during a 1994 environmental assessment, an interview conducted with Cultural Resource personnel, site investigations, and photographs.				
Block 4	Sources of Information (check appropriate box(es) & source number from reference list)			
	2,5 Documentation about Data Disposal Data Disposal Data QA Data Site Drawings D&D Report Urrence Report Unitial Assessment Well Data			

Question 2.	What are the disposal processes, locations, and dates of operation associated with this site? How was the waste disposed?	
Block 1	Answer:	
homestead/ca indicate that the located within	n INEEL Cultural Resource personnel revealed that Site 013 is a historic nal builder's base camp dating to the 1900-1920 timeframe. Site investigations he artifacts are domestic in nature, very old and predate INEEL activities. The site is the boundaries of the INEEL approximately 200 ft. from the railroad tracks between eline and the NRF boundary line.	
Block 2	How reliable are the information sources? ⊠ High ☐ Med ☐ Low Explain the reasoning behind this evaluation. (check one)	
camp and the	urce personnel confirmed that this site is a recorded homestead/canal builder's base artifacts are domestic in nature, unrelated to INEEL operations, and pose no threat to or the environment. This site is designated as a SHPO cultural resource.	
Block 3	Has this INFORMATION been confirmed? ⊠ Yes ☐ No If so, describe the confirmation. (check one)	
Interviews and site investigations confirm the historical value of the site and artifacts, processes involved, and estimated age of the artifacts. Photographs confirm the types of debris and current conditions of the site.		
Block 4	Sources of Information (check appropriate box(es) & source number from reference list)	
No Available Information Anecdotal Historical Process Data Current Process Data Photographs Engineering/Site Drawings Unusual Occurrence Report Summary Documents Facility SOPs Analytical Data Disposal Data QA Data QA Data D&D Report Initial Assessment Well Data Construction Data		

Question 3.	Is there evidence that a source exists at this site? If so, list the sources and describe the evidence.		
of hazardous rusted black p powder in the	Answer: sual evidence that a source of contamination exists at Site 013. There is no evidence constituents, disturbed vegetation, stained or discolored soil, or odor. Eleven empty, bowder cans were found on the site, however, there is no evidence of residual black cans or on the ground surface. Cultural Resources has dated the artifacts from the neframe. The debris is considered very old, domestic in nature, and predates INEEL		
Block 2	How reliable are the information sources? ☑ High ☐ Med ☐ Low Explain the reasoning behind this evaluation. (check one)		
camp and the	urce personnel confirmed that this site is a recorded homestead/canal builder's base artifacts are domestic in nature, unrelated to INEEL operations, and pose no threat to or the environment. This site is designated as a SHPO cultural resource.		
Block 3	Has this INFORMATION been confirmed? ⊠ Yes ☐ No If so, describe the confirmation. (check one)		
This information photographs.	This information was confirmed with interviews, site investigations, historical research, and photographs.		
Block 4	Sources of Information (check appropriate box(es) & source number from reference list)		
	2,5 Documentation about Data Disposal Data CA		

Question 4.	Is there empirical, circumstantial, or other evidence of migration? If so, what is it?	
Block 1	Answer:	
There is no evidence of migration at this site. Investigations reveal no visual evidence of hazardous constituents, disturbed, stained or discolored soil areas, or odors. The vegetation appears to be well established. Domestic debris abandoned by early twentieth homesteaders/canal builders includes domestic items and materials used for canal building. Eleven empty, rusted black powder cans found on the site contained no evidence of residual black powder in the cans or on the ground surface. Cultural Resources places the site in the 1900-1920 timeframe; therefore, the artifacts predate INEEL operations.		
Block 2	How reliable are the information sources? ⊠ High ☐ Med ☐ Low	
	Explain the reasoning behind this evaluation. (check one)	
Visual site ins staining or dis	pections and photographs show that vegetation is well established, and no soil coloration is present, giving no indication of disturbance or evidence of contaminants.	
Block 3	Has this INFORMATION been confirmed? ☑ Yes ☐ No If so, describe the confirmation. (check one)	
Site investigate of the site.	tions, interviews, and photographs confirm the types of artifacts and present condition	
Block 4	Sources of Information (check appropriate box(es) & source number from reference list)	

Question 5.	Does site operating or disposal historical information allow estimation of the pattern of potential contamination? If the pattern is expected to be a scattering of hot spots, what is the expected minimum size of a significant hot spot?	
Block 1 Answer: There is no expected pattern of potential contamination because there is no evidence of hazardous substances at the site. There is no evidence of stained or discolored soil in the area, odors, or visual evidence of disturbed vegetation. The debris has been determined to be domestic in nature and is unrelated to INEEL activities. There is no evidence of a source at this site or contaminated region to estimate because there is no evidence of hazardous or radioactive materials. The pattern of hazardous constituents (organics, metals, radionuclides, etc.) cannot be estimated without further field screening or soil sampling around the debris. However, because of the age and weathered condition of the debris it is highly unlikely that contaminants would be present at levels above risk-based limits.		
Resource sur debris is dome	How reliable are the information sources? High Med Low Explain the reasoning behind this evaluation. (check one) on was obtained from 1994 environmental baseline assessment interviews, a Cultural vey, site investigations, and photographs of the site. The information reveals that the estic in nature, predates INEEL activities and is more than 50 years old. Photographs soil is not stained or discolored and vegetation near the debris is well established.	
Block 3 Interviews, sit	Has this INFORMATION been confirmed? Yes No If so, describe the confirmation. (check one) e investigations, photographs and historical research confirm the information.	
	2,5 Documentation about Data	

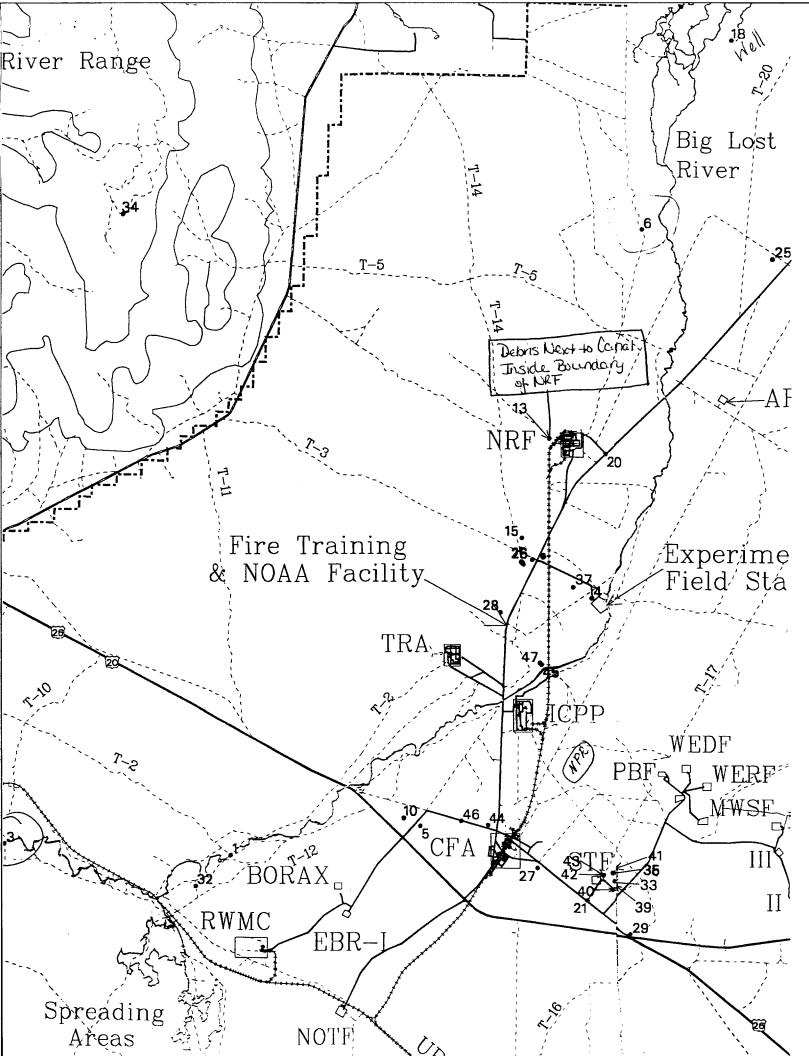
Question 6.	Estimate the length, width, and depth of the contaminated region. What is the known or estimated volume of the source? If this is an estimated volume, explain carefully how the estimate was derived.			
Block 1	Answer:			
square ft area bailing wire, a galvanized sh a cast iron toy however, ther There is no ev	cions confirm that Site 013 contains domestic debris over an approximately 32,000 at Artifacts include a collapsed wooden structure, milled lumber, plywood, wire nails, in ink bottle, glass fragments, a ceramic jug, buttons, metal clothing rivets, shoe soles, eet metal, stove pipes, a crimped metal bottle cap, wire nails, empty rusted cans, and a train engine. Eleven empty, rusted black powder cans were also found on the site; is no visual evidence of residual black powder in the cans or on the ground surface. Vidence of a source at this site or contaminated region to estimate because there is no azardous or radioactive materials.			
Block 2	How reliable are the information sources? ⊠ High ☐ Med ☐ Low Explain the reasoning behind this evaluation. (check one)			
conducted by indication that	This information was obtained from environmental baseline assessment interviews, a survey conducted by INEEL Cultural Resource personnel, site investigations, and photographs. There is no indication that the debris contains anything that would cause potential contamination. Photographs of the area show no evidence of staining and that vegetation is well established.			
Block 3	Has this INFORMATION been confirmed? ☑ Yes ☐ No If so, describe the confirmation. (check one)			
Interviews, sit	e investigations, photographs and historical research confirm the information.			
Block 4	Sources of Information (check appropriate box(es) & source number from reference list)			

Question 7.	What is the known or estimated quantity of hazardous substance/constituent at this source? If the quantity is an estimate, explain carefully how the estimate was derived.		
Block 1	Answer:		
The estimated quantity of hazardous substances/constituents at this site is near zero because there is no evidence of any hazardous materials present. The site consists of domestic debris abandoned by early twentieth century homesteaders/canal builders. The debris is weathered, very old and predates INEEL activities.			
Block 2	How reliable are the information sources? ⊠ High ☐ Med ☐ Low Explain the reasoning behind this evaluation. (check one)		
conducted by indication that	on was obtained from environmental baseline assessment interviews, a survey INEEL Cultural Resource personnel, site investigations, and photographs. There is no the debris contains anything that would cause potential contamination. Photographs ow no evidence of staining and that vegetation is well established.		
Block 3	Has this INFORMATION been confirmed? ⊠ Yes ☐ No If so, describe the confirmation. (check one)		
	This information was confirmed through site inspections, interviews, photographs and INEEL Cultural Resource historical research.		
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Block 4	Sources of Information (check appropriate box(es) & source number from reference list)		
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Question 8.	uestion 8. Is there evidence that this hazardous substance/constituent is present at the source as it exists today? If so, describe the evidence.			
Block 1	Answer:			
action at this sare from early	vidence that a hazardous substance or constituent is present at levels that require site. INEEL Cultural Resource personnel confirm that the artifacts present on the site twentieth century homesteaders/canal builders. The debris is estimated to be more old (1900-1920 timeframe), domestic in nature, and predates INEEL activities.			
				
Block 2	How reliable are the information sources? 🔀 High 🔲 Med 🔲 Low Explain the reasoning behind this evaluation. (check one)			
This information was obtained from environmental baseline assessment interviews, a survey conducted by INEEL Cultural Resource personnel, site investigations, and photographs. There is no indication that the debris contains anything that would cause potential contamination. Photographs of the area show no evidence of staining and that vegetation is well established.				
Block 3 Has this INFORMATION been confirmed? Yes No (check one)				
This information was confirmed through site inspections, INEEL Cultural Resource historical research, interviews and photographs.				
Block 4 Sources of Information (check appropriate box(es) & source number from reference list)				
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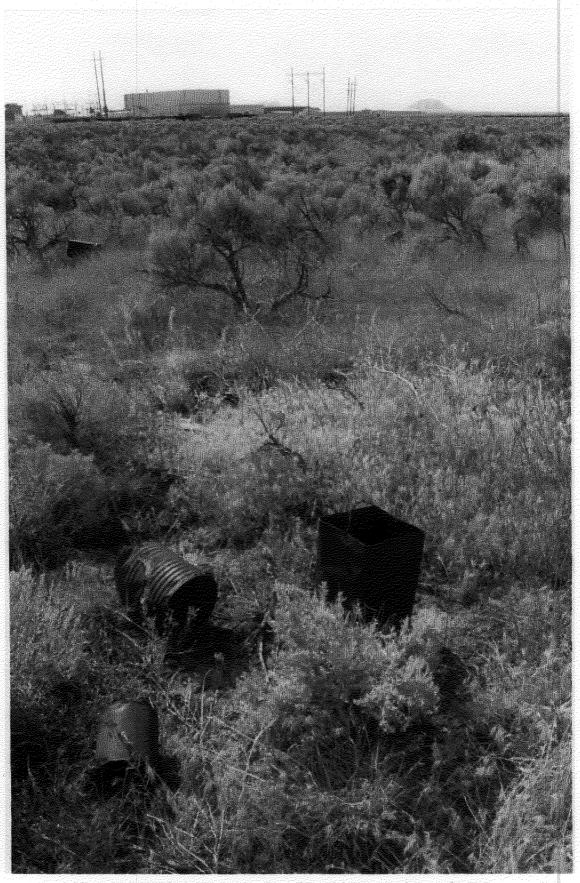
REFERENCES

- 1. DOE, 1992, Track 1 Sites: Guidance for Assessing Low Probability Sites at the INEL, DOE/ID- 10390 (92), Revision 1, U.S. Department of Energy, Idaho Falls, Idaho, July.
- 2. Interview with an Environmental Baseline Assessment team member, February 6-7, 2001.
- 3. Photographs of Site 013: PN99-465-1-29, PN99-465-1-31, PN99-465-1-32, PN99-465-1-33, PN99-465-2-1, and PN99-0856-1-17A.
- 4. FY 1999 WAG 10 Newly Identified Sites, Volumes I and II.
- 5. Interviews with Brenda Ringe Pace, INEEL Cultural Resources Management, February 7 and May 16, 2001.

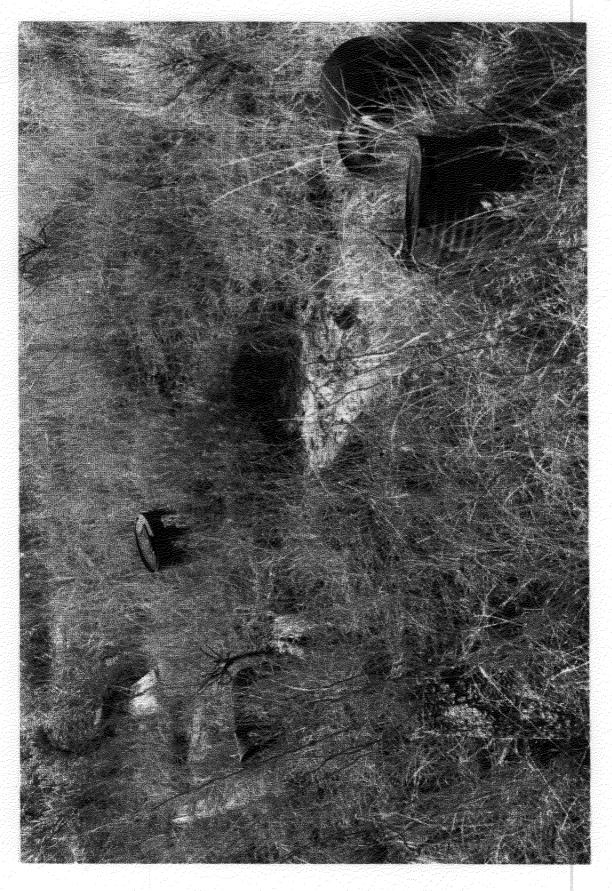


Attachment A

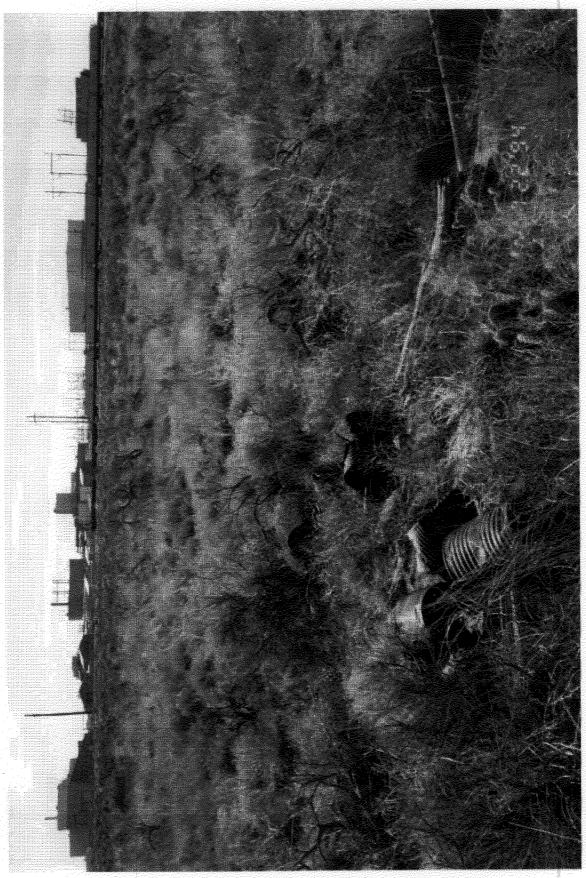
Photographs of Site #013



Site: 013, Debris Next to Canal Inside Boundary of NRF (99-465-2-1)



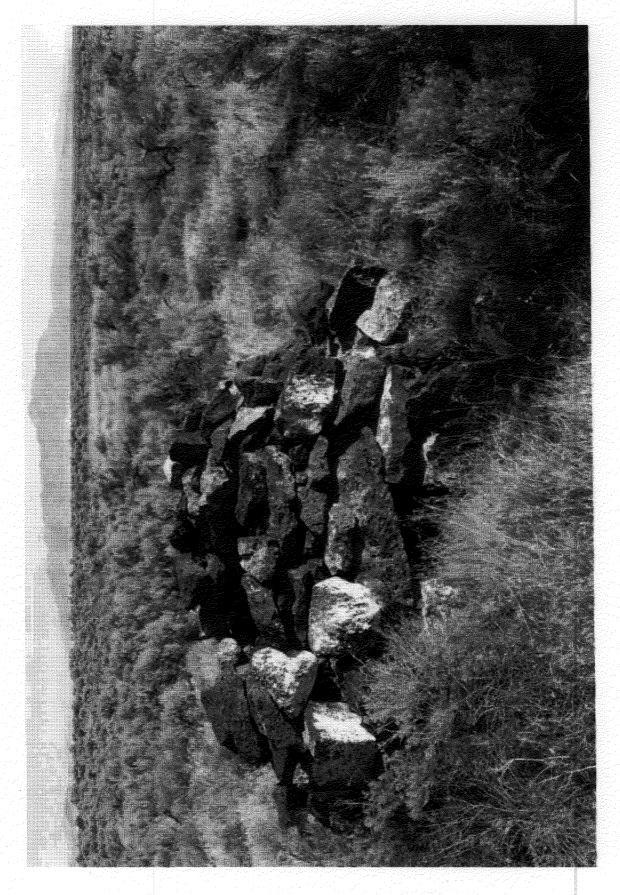
Site: 013, Debris Next to Canal Inside Boundary of NRF (99-465-1-31)



Site: 013, Debris Next to Canal Inside Boundary of NRF (PN99-0856-1-17A)



Site: 013, Debris Next to Canal Inside Boundary of NRF (99-465-1-29)



Site: 013, Debris Next to Canal Inside Boundary of NRF (99-465-1-33)



Site: 013, Debris Next to Canal Inside Boundary of NRF (99-465-1-32)

Attachment B

Supporting Information for Site #013

435.36 04/14/99 Rev. 03

NEW SITE IDENTIFICATION

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Pai	rt A – To Be Completed By Observer				
1.	Person Initiating Report: Jacob Harris	Phone: 526-1877			
	Contractor WAG Manager: Douglas Burns	Phone: 526-4324			
2.	Site Title: 013, Debris Next to Canal Inside Boundary of NRF				
3.	3. Describe the conditions that indicate a possible inactive or unreported waste site. Include location and description of condition, amount or extent of condition and date observed. A location map and/or diagram identifying the site agains survey points or global positioning system descriptors shall be included to help with the site visit. Include any known on names or location descriptors for the waste site.				
	There is a debris pile 200 ft. from the railroad tracks between the NRF fenceline and the NRF boundary line. During the July 1999 site visit, the observed surface debris included many cans that appear to be old powder cans and metal debris spread over an are approximately 150 ft by 150 ft. There is a rock structure (3 ft high by 5 ft diameter) that may have historical significance. The GPS coordinates for this site are E299511.814 by N723770.141. The reference number for this site is 013 and can be found on the summary map as provided.				
D -	T. D. O I. I. D. O I. I. WAS Manager				
\vdash	rt B – To Be Completed By Contractor WAG Manager		·		
4.	Recommendation:				
	This site meets the requirements for an inactive waste site, re FFA/CO Action Plan. Proposed Operable Unit assignment is WAG:		INEEL		
	This site DOES NOT meet the requirements for an inactive w included in the INEEL FFA/CO Action Plan.	raste site, DOES NOT require investigation and SHC	OULD NOT be		
5.	Basis for the recommendation:				
	The conditions that exist at this site indicate the potential for an in or Disturbance of Suspected Inactive Waste Sites.	active waste site according to Section 2 of MCP-344	48 Reporting		
			٠.		
	The basis for recommendation must include: (1) source descriptions concern; and (4) descriptions of interfaces with other programs, a		ants of		
6.	Contractor WAG Manager Certification: I have examined the proposed site and the information submitted in this document and believe the information to be true, accurate, and complete. My recommendation is indicated in Section 4 above.				
Na	me: Signature:	Date:	•		
L					